

EXHIBIT A

**BMW of North America
Vehicle Inspection Report**

To: Anne Burris

From: Brian Sime

Date: 8/13/2012

Vehicle Owners Name: Karen White
VIN: WBAPN73569A265980

Model: 2009 335d

Mileage: 143,782 from August 10th, 2012 customer last service visit at Casey BMW

RO# 336153 Dated 9/16/2010 Mileage 50,368 Casey BMW

- Per dealer visit, heavy soot/ carbon deposits were throughout the intake manifold, cylinder head, intercooler, EGR (exhaust gas recirculation), Particulate Filter (PF) and turbochargers. Cylinder head and all related intake parts were authorized replacement under Eastern Region Goodwill. Car was out of warranty.

The terms of the BMW Warranty expire/ed on 5/29/2013 or 50,000 miles whichever occurs first.

RO# 23686 Dated 10/23/2009 Mileage 11,587 Casey BMW

- 1st engine oil service
- Standard Scope
- Micro filter replacement
- DEF (diesel exhaust fluid) replacement
- Loaner car provided

RO# 254170 Dated 11/23/2009 Mileage 20,579 Casey BMW

- Xenon lights control unit permanent failure
- Oil Service
- Standard Scope
- Performed DEF replacement
- Loaner car provided

RO# 263177 Dated 12/28/2009 Mileage 24,073 Casey BMW

- Oil Service

- Left rear taillight* add on repair OK by service manager Tech replaced faulty left rear tail light
- DEF (diesel Exhaust fluid) change
- Standard Scope
- Loaner car provided

RO# 272184 Dated 2/01/2010 Mileage 28,865 Casey BMW

- Vehicle check
- Standard Scope
- Loaner provided

RO# 277115 Dated 2/25/2010 Mileage 30,551 Casey BMW

- C/S SRS (Supplemental restraint system) light on.
- Oil Service
- DEF (diesel Exhaust fluid) service
- Loaner provided

RO# 288728 Dated 4/01/2010 Mileage 33,980 Casey BMW

- DEF fluid service
- Customer informed tires are worn past tread wear
- Loaner car provided

RO# 296492 Dated 4/30/2010 Mileage 37,009 Casey BMW

- Air Filter replacement
- Scope
- Diesel fuel filter replaced
- DEF fluid service
- Loaner car provided

RO# 306158 Dated 6/01/2010 Mileage 41,281 Casey BMW

- C/S Drivers seat belt buckle will not attach properly. R/R Drivers seat and replaced Seat belt buckle.
- CAMPAIGN 0013890100 US DIESEL PROGRAM CONTROL /Dealer reprogrammed vehicle per campaign.
- Loaner car provided

RO# 313496 Dated 6/25/2010 Mileage 44,093 Casey BMW

- Oil service
- DEF fluid service
- Loaner car provided

RO# 320848 Dated 07/23/2010 Mileage 46,390 Casey BMW

- C/S check engine light on Feels like it is missing and not running well. Short tested vehicle FC's 2E3C 4CE8 480A 4D35 4B10. Test plan stated "replace throttle"
- FC 4D35, Per SIB11 02 10. Clean metering valve for SCR (selective catalyst reduction) system
- Loaner car provided

RO# 326814 Dated 08/07/2010 Mileage 47,811 Casey BMW

- C/S check engine light on. Engine control unit stored FC 4B10/4B11 followed test plan 1749 0000006 .4 Correction Dealer found poor fuel quality in vehicle causing poor idle quality. Advised customer to use Ultra low sulfur grade diesel per government regulations.
- Replaced wiper blades.
- Loaner car provided

RO# 336153 Dated 10/22/2010 Mileage 50,368 Casey BMW

- C/S engine running poorly Check engine light on. Tech found heavy soot from miles of using Diesel fuel with greater than 15 ppm sulfur content. Cylinder head and intake system (complete) needed replacement. Final outcome was complete engine replacement since 2 cylinder heads were received damaged. \$25,678 Goodwill payment to dealer

RO# 350492 Dated 10/22/2010 Mileage 50,759 Casey BMW

- Market team replaced 2 worn front tires under goodwill ER for customer satisfaction. ER goodwill means Eastern Region paid for this repair. This was not a warranty defect in material and workmanship. \$579.20 Goodwill payment to dealer.

RO# 373244 Dated 10/22/2010 Mileage 55,730 Casey BMW

- Bi-annual brake fluid change.
- Interior micro-filter replacement
- Oil change
- Standard scope

RO# 387811 Dated 03/29/2011 Mileage 63,906 Casey BMW

- Bi-annual brake fluid change.
- Interior micro-filter replacement
- Oil change
- Standard scope
- Diesel fuel filter

RO# 524660 Dated 08/08/2012 Mileage 143,782 Casey BMW

- Performed Service Action Service information Bulletin 18-04-12. "Metering units installed on certain E90 vehicles with the M57Y diesel engine will clog due to crystallization of the DEF fluid. An improved metering unit has been introduced." Ms. White's vehicle now has updated Metering unit installed. The old metering valve had no affect on the original complaint as this metering unit sprays the DEF (Diesel Exhaust fluid) into the exhaust

stream after the PF (particulate filter) and before the SCR (Select Catalyst reduction). When the unit crystallizes, different fault codes set compared to the ones that set when the intake was full of soot. The issue she had was soot build up before the particulate Filter. The PF traps all the soot and stores it until the DDE (Diesel engine electronics control unit) determines the filter is to capacity. It will then trigger a regeneration process to burn all the soot in the system. If too much soot is present, it will not be able to burn it all off. This will cause the soot to collect in the inlet stream causing damage to EGR (exhaust gas recirculation) valve and all other intake components.

I worked with Casey BMW to get Ms. White's vehicle repaired in a timely manner. Unfortunately, two of the cylinder heads shipped to the dealer from Germany were damaged in shipping. Service Manager Chris Culp stated directly to me that the customer had told him would really appreciate a new engine and if this was done, she would be cool with the situation. Since the car was down for and extended time, I authorized a complete engine along with the needed intake, intercooler, turbo charger and PF (particulate filter).

During the repair process, Dealer found the customer not using correct 15 ppm (parts per million) sulfur content fuel. The customer was using non-approved diesel fuel which over time will over work the DPF (Diesel Particulate filter) and clog the intake system via the EGR (Exhaust Gas Recirculation system) with soot /carbon like substance. This buildup makes it difficult for the air to reach the cylinder for combustion. Since the drivability issue was documented prior to warranty mileage expiration, the market team covered complete repair as a good will gesture. However, it should be clearly understood that this concern was directly related to the type of fuel the customer was using and not to a defect in material and/or workmanship. Although the fuel was not tested, the only way that such a high amount of soot could end up in the intake system was if high sulfur fuel was being used regularly in the car. The customer claimed that there were no 15PPM fuel stations in her area and she could only use higher sulfur content fuels. This is unlikely, as the 15PPM fuel is widely available. The use of this fuel is mandated by the EPA for use in BMW NA's diesel engines. It is the customer's responsibility to ensure the correct fuel is used per owner's manual.

Owner's manual online Edition part number 01 41 2 602 099

From page 191

"BMW Advanced Diesel: required fuel BMW Advanced Diesel: required fuel
Ultra-low sulfur diesel Ultra-low sulfur diesel

The engine of your BMW is designed for diesel with low sulfur content: Ultra-low sulfur diesel ASTM D975-07a. Refuel with ultra-low sulfur diesel only. The percentage of biodiesel in the fuel may not exceed 5%; this type of fuel is referred to as B5. Do not refuel with gasoline. After refueling with the wrong fuel, e.g. with gasoline, do not start the engine; otherwise, engine damage may occur."□

The DEF fluid change is done per every oil change. There are additional fluid fills during winter months, high altitude and aggressive driving. This is a normal maintenance issue. Below is from the owner's manual.

Page 192

"The concept

BMW Advanced Diesel reduces nitrogen oxide in the diesel emissions of your vehicle by means of a mechanism that injects diesel exhaust fluid, a reduction agent, into the exhaust tract. A chemical reaction occurs in the catalytic converter that minimizes the nitrogen oxide content. To

be able to start the engine as usual, a sufficient amount of diesel exhaust fluid must be present in a separate reservoir.

Warming the system

To warm the system to its operating temperature, after starting with a cold engine, the automatic transmission delays shifting to the next higher gear, if necessary.

Reserve display:

A display in the instrument cluster informs you about the remaining distance you can drive with the fluid remaining in the reservoir. The reserve display appears beginning at approx. 1,000 miles/ 1,600 km before the supply is used up. When this reserve display appears in the instrument cluster, have diesel exhaust fluid refilled to avoid not being able to start the engine.

Diesel exhaust fluid at minimum level:

Even if the display indicates “- mis”, the engine continues running if it is not switched off and if all other requirements continue to be met, e.g. a sufficient supply of fuel. Do not drive to the end of the indicated distance as it will no longer be possible to start the engine after it is switched off.”

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Having diesel exhaust fluid refilled:

Diesel exhaust fluid is refilled by your BMW center during regular service. If the service intervals are adhered to, it generally does not need to be refilled between service appointments. Under certain conditions, e.g. especially frequent accelerations or operation of the vehicle at high altitudes, it may become necessary to refill the fluid between service appointments. When this reserve display appears in the instrument cluster, have diesel exhaust fluid refilled to avoid not being able to start the engine. You can have the fluid refilled by a BMW center.

Refilling diesel exhaust fluid in exceptional cases:

To be able to reach the next BMW center, you can refill diesel exhaust fluid yourself while adhering to the following warnings. Do not come in contact with diesel exhaust fluid. Wear goggles and gloves, if necessary. Follow the safety instructions on the bottle. Vapors with a sharp odor can escape from the bottle or container when it is opened. Before refilling, completely close the windows and doors of the vehicle to prevent the vapors from intruding into the interior. If handling diesel exhaust fluid in an enclosed area, ensure that the room is well ventilated. After handling diesel exhaust fluid, wash your hands thoroughly; otherwise, inadvertently touching your eyes, for example, may lead to eye irritations. If eye irritations occur, rinse the eyes thoroughly with water and consult a physician if necessary.”

I would like to add that this vehicle hasn't experienced an issue with soot since the engine was replaced per dealer service manager Chris Culp. BMW internal data from Dealer service tester (AKA FASTA) shows no faults returned that were set previously with old engine. The new engine installed in Ms. White's 335d is covered by a 2 year, unlimited mileage warranty. The engine is still covered as long as the owner continues to maintain the engine through the (CBS) Controlled Base Service information. I also want to add that the key reader is currently showing -70,000 miles. (-70,000 miles shows the CBS data has not been reset for oil change 70,000 miles since the last oil change was due. There are no special tools required to do this so any gas station or oil change service center can access this system to reset CBS service reminder.) Service history will need to be proved in order for any parts replacement warranty to be used if she has any further issues. See attachments to email to all the key read history showing oil service overdue.

Ms White prepaid for a maintenance plan “MP 72 MO/100K MLS”. This plan covers all oil changes. The last documented oil change through this system was performed 3/29/2011 with 63,906 miles. There was an opportunity to have 2 more oil services with this plan which the customer didn't have performed. The car has been driven 79,876 miles since the last documented oil change. Depending on driver style, it is possible for an engine to drive that many

miles without an oil service. However it is not recommended and is certainly not considered proper maintenance..

I reviewed the plaintiff's expert witness report. The 3 vehicles he shows as comparable have less than half to one third the amount of miles Ms White's vehicle. He also states the engine was replaced and that should also diminish the value of vehicle. It was the customer's request to install a new engine instead of waiting 10 days for another cylinder head. The complete engine didn't need to be replaced. As stated earlier, the new engine has a 2 year unlimited mileage warranty providing the car was maintained correctly. According to KBB (Kelly Blue Book) the actual value of her vehicle is \$14k in perfect condition to 10K in fair condition. I was not given a chance to perform an inspection on the current condition but based simply upon the number of miles on the car, its value is diminished.

Finally, there has been no diminution in value of the vehicle based upon any mechanical issues the vehicle has experienced. If anything, the value increased as the engine, turbo charger and all other related parts replaced during the repair received a 2 year unlimited miles warranty as long as the owner can prove proof the car was maintained. All those problems have been repaired under ER goodwill (ER goodwill= Repairs paid through Eastern region goodwill and not warranty) budget since repair was performed after warranty expired and also because customer didn't use correct fuel per owner's manual. The diminution in value is due to the normal wear and tear after driving the vehicle for approximately 143,700 miles. I have added description of Excellent, Good, Fair and Poor used by Kelly Blue Book to determine the value of a vehicle.

Excellent

- Looks new, is in excellent mechanical condition and needs no reconditioning.
- Never had any paint or body work and is free of rust.
- Clean title history and will pass a smog and safety inspection.
- Engine compartment is clean, with no fluid leaks and is free of any wear or visible defects.
- Complete and verifiable service records.

Less than 5% of all used vehicles fall into this category.

Good

- Free of any major defects.
- Clean title history, the paints, body, and interior have only minor (if any) blemishes, and there are no major mechanical problems.
- Little or no rust on this vehicle.
- Tires match and have substantial tread wear left.
- A "good" vehicle will need some reconditioning to be sold at retail.

Most consumer owned vehicles fall into this category.

Fair

- Some mechanical or cosmetic defects and needs servicing but is still in reasonable running condition.
- Clean title history, the paint, body and/or interior need work performed by a professional.
- Tires may need to be replaced.
- There may be some repairable rust damage.

Poor

- Severe mechanical and/or cosmetic defects and is in poor running condition.
- May have problems that cannot be readily fixed such as a damaged frame or a rusted-through body.
- Branded title (salvage, flood, etc.) or unsubstantiated mileage.

Kelley Blue Book does not attempt to report a value on a "poor" vehicle because the value of these vehicles varies greatly. A vehicle in poor condition may require an independent appraisal to determine its value.

I used two references to determine the vehicle value Kelly Blue Book and Edmunds both industry leaders. The values stated are only a reference values. I believe the purchased price for this 750li was approximately \$100,000 excluding taxes and license fees. Today Kelly Blue Book lists the Private Party Sale for this vehicle in fair condition at approximately \$47,700. Edmunds lists the retail value for this car in average condition at approximately \$53,600. Based on Kelly Blue Book and Edmunds the value of the 750li is in line with industry standards.

Kelley Blue Book Suggested Retail Value is representative of dealers' asking prices for a used car and the starting point for negotiation between a consumer and a dealer. This Suggested Retail Value assumes that the vehicle has been fully reconditioned and has a clean title history, but has not been certified in accordance with any Certified Pre-Owned (CPO) program the automaker may offer (for which it may or may not qualify, according to factors such as vehicle age and mileage). This value also takes into account the dealers' profit, costs for advertising, sales commissions and other costs of doing business. The final sale price will likely be less depending on the vehicle's actual condition, popularity, type of warranty offered and local market conditions.

Attached hereto is my curriculum vitae, which outlines my experience and credentials.....

BMW Master Technician certification 22 years
BMW National Workshop Master Technician 10 years
BMW National Technical Hotline Specialist 6 years
BMW Technical Hotline Team Leader (drive train and chassis systems) 12 months
BMW Technical Support Engineer 4 years
BMW Technical Support Engineer TTL 1.5 years
MINI Master Technician certification 12 years

Submitted by:
Brian Sime
Technical Support Engineer TTL
Market 17 Eastern Region



SI B18 04 12
Exhaust Systems

April 2012
Technical Service

PERFORM THE PROCEDURE OUTLINED IN THIS SERVICE INFORMATION ON ALL AFFECTED VEHICLES BEFORE CUSTOMER DELIVERY OR THE NEXT TIME THEY ARE IN THE SHOP FOR MAINTENANCE OR REPAIRS.

SUBJECT

Service Action: Replace the Selective Catalyst Reduction (SCR) Metering Unit

MODEL

E90 with the M57Y engine

SITUATION

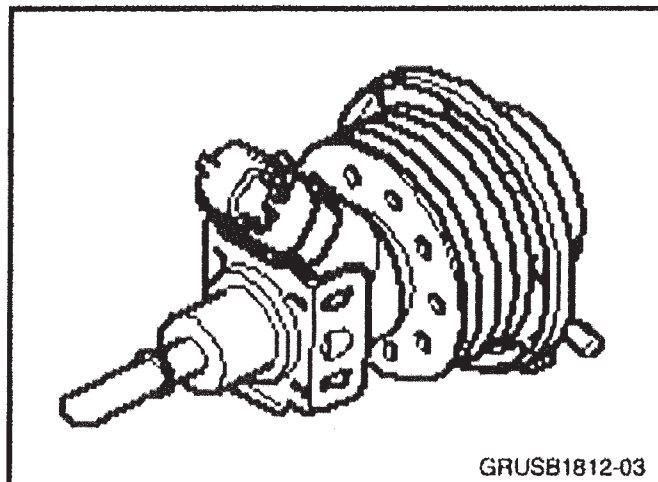
Metering units installed on certain E90 vehicles with the M57Y diesel engine will clog due to crystallization of the DEF fluid. An improved metering unit has been introduced.

AFFECTED VEHICLES

This Service Action involves E90 vehicles with the M57Y diesel engine which were produced from June 2009 to September 2010.

In order to determine whether a specific vehicle has had this Service Action completed or is affected by this Service Action, first check the B-pillar label for code number **616**. If code number **616** has been punched out, the campaign has already been performed. If code number **616** has not been punched out, it will be necessary to utilize the "Service Menu" of DCSnet (Dealer Communication System) or the Key Reader. Based on the response of the system, either proceed with the corrective action or take no further action.

PROCEDURE



Replace the metering unit as described in Repair Instruction RA 18 31 130.

Replace the metering unit as described in Repair Instruction RA 18 31 130.

PARTS INFORMATION

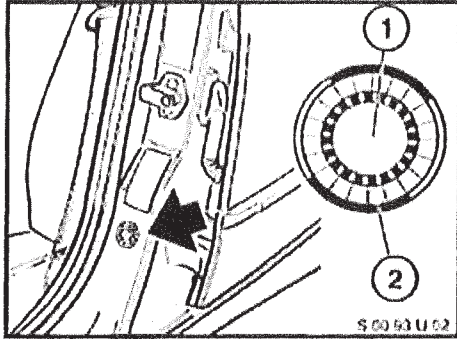
| Part Number | Description | Quantity |
|-------------|-------------|----------|
|-------------|-------------|----------|

18 30 7 807 206

Metering unit

1

LABEL INSTRUCTIONS



This Service Action has been assigned code number **616**. After the vehicle has been checked and/or corrected, obtain a label (SD 92-403) and:

- A. Emboss your BMW center warranty number in the middle of the label (1);
- B. Punch out code number **616** (2), printed on the label; and
- C. Affix the label to the B-pillar as shown.

If the vehicle already has a label from a previous Service Action/Recall Campaign, affix the new label next to the old one. Do not affix one label on top of another one because a number from an underlying label could appear in the punched-out hole of the new label.

WARRANTY INFORMATION

The repair described in this bulletin is covered under warranty regardless of time or mileage. Reimbursement for this Service Action will be via normal claim entry utilizing the following information.

Defect Code: 00 18 41 01 00

Labor Operation:

Labor Allowance:

Description:

00 60 838

4 FRU

Replace metering unit

Labor operation code 00 60 838 is a Plus labor operation.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the "Search" button, and then enter the applicable flat rate labor operation in the FR code field.

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FBM-Viewer

List of Keydata



Vehicle data

| | |
|----------|----------------|
| VIN-7 | A265980 |
| Type | PN83 |
| Model | 335D |
| E-Series | E90 |
| I-Plant | E89X-08-09-530 |
| Engine | M57Y |
| Prod. | 06/02/2009 |

| Read Date | Update Date | Dealer No. | Dealer Name, City | Country | km State | Service Type | Key Derivate |
|------------------------|------------------------|-------------------|--------------------------|---------|----------|--------------|--------------|
| 01/02/2010 02:50:31 PM | 29/01/2010 10:43:00 PM | 56592 / 06592 - 1 | Casey BMW , Newport News | USA | 46,452 | CBS | 8 |

Systeminfo

| | |
|---------------------|--------------------------------|
| AG-Dealer Number | 56592 |
| GUID | 10A265980999999920100201084917 |
| LANG_ID | |
| Date/Time at Insert | 01/02/2010 02:49:18 PM |
| Date/Time at Update | 29/01/2010 10:43:00 PM |
| GENKI_VERSION | -- |
| KSD_VERSION | 01/2010 |

Key Data Information

| | |
|----------------------|------------------------|
| Key Derivate (Main) | 8 |
| Key Derivate (Sub) | 6 |
| Service Type | CBS |
| Origin | K |
| Update in Vehicle | 29/01/2010 10:43:00 PM |
| Read Date | 01/02/2010 02:50:31 PM |
| Key Memory Number | 1 |
| Key-HW No. | 1 |
| Code of Writing Mode | 1 |

FBM-Viewer
 List of Keydata

Vehicle Info

| | |
|----------------------|------------|
| VIN-10 | WBAPN73569 |
| VIN-7 | A265980 |
| E-Series | E90 |
| Main Type | PN83 |
| Type | PN83 |
| Brand | BMW |
| Product Type | 1 |
| Production month | 02/2009 |
| Initial Registration | 29/05/2009 |
| No. Gears | 6 |
| Drive | 2 |
| Engine Displacement | 3 |
| Actuation | 6 |
| Car Body | 1 |
| Steering | 1 |
| Cylinder | 6 |
| Paint Code | 066 |
| Bolster Code | LCD3 |

Vehicle Condition

| | |
|---------------------|-------|
| Battery Voltage | 14.13 |
| Cooling Temperature | 86 |
| Air Temperature | 2 |
| Tank | 29 |

CBS Info

| | |
|--|-------|
| CBS Variant | 3 |
| Number of CBS Coverage | 5 |
| Kilometer average (km / week) last 8 weeks | 1,370 |
| Kilometer average (km / week) last year | 730 |

CBS Info Service

| | |
|-------------------|------------|
| ASU | |
| HU | 01/05/2013 |
| Break Liquid | 01/02/2011 |
| Technical Check | -4,400 |
| Distance (Total) | 14,000 |
| Next Service Date | 26/01/2011 |

CBS Info Vehicle

| | |
|--|---|
| TeleService Status | 0 |
| Service Distance / Distance Vehicle (Yellow) | 4 |
| Service Code HU / AU Vehicle | 1 |
| Distance Unit | 0 |
| Service Distance Vehicle (Yellow) | |
| Service Time Vehicle (Yellow) | |

FBM-Viewer

List of Keydata

CBS Coverage

| CBS-ID | Name | Status | Veh. Counter | Availability | next Service Time | next Service Distance | Due Date (max) | linked CBS Coverage Code | Action-Status | Action-Name | Action-Content |
|--------|---|--------|--------------|--------------|-------------------|-----------------------|----------------|---|---------------|-------------|----------------|
| 99999 | Standard scope | green | 0 | | | | | | | | |
| 00017 | Vehicle check | red | 1 | 0 | 1,082 | 4,400 | 2013-02 | | | | |
| 00001 | Engine oil | green | 3 | 70 | 302 | 14,000 | 2010-12 | Fuel filter, Air filter element | | | |
| 00006 | Rear Brake | green | 1 | 37 | | 18,000 | | | | | |
| 00003 | Brake fluid | green | 1 | 51 | 362 | | 2011-02 | Microfilter (consider further additional job(s) if appropriate) | | | |
| 00002 | Front Brake | green | 1 | 62 | | 90,000 | | | | | |
| 00032 | Statutory vehicle inspection | green | | | 1,172 | | 2013-05 | | | | |
| 00008 | Fuel filter | green | 0 | | 302 | 14,000 | | | | | |
| 00034 | Air filter element | green | 0 | | 302 | 14,000 | | | | | |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | green | 0 | | 362 | | | | | | |

CBS Coverage

| CBS-ID | Name | Status | Veh. Interval | Calculation | Due Date Remaining Time | Due Date Remaining Distance | Forecast Time | Forecast Distance | TeleService Ability |
|--------|---|--------|---------------|-------------|-------------------------|-----------------------------|---------------|-------------------|---------------------|
| 99999 | Standard scope | 0 | | | | | | | |
| 00017 | Vehicle check | 3,220 | | N | J | 48 | 42 | 3 | |
| 00001 | Engine oil | 3,220 | | N | J | 12 | 25 | 1 | |
| 00006 | Rear Brake | 6,440 | | | J | | 48 | 1 | |
| 00003 | Brake fluid | 112 | | J | | 24 | | 1 | |
| 00002 | Front Brake | 6,440 | | | J | | 137 | 1 | |
| 00032 | Statutory vehicle inspection | 0 | | J | | | | 0 | |
| 00008 | Fuel filter | 0 | | N | J | | | | |
| 00034 | Air filter element | 0 | | N | J | | | | |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | 0 | | J | | | | | |

CBS Coverage (Order)

| CBS-ID | Name | Status | SAM | prescheduled | selected / deselected | unchangeable | in Service Package | Identifier BSI Due Date | In Service Package billable | Recommendation | AW No. | AW Amount | associated Work | Order ID |
|--------|------------------------------|--------------------------|-----|--------------|-----------------------|--------------|--------------------|-------------------------|-----------------------------|----------------|---------|-----------|-----------------|----------|
| 99999 | Standard scope | | J | | N | N | N | N | N | N | 0000105 | 2 | N | N |
| 00017 | Vehicle check | due | J | | N | N | N | N | N | N | 0000524 | 6 | J | J |
| 00001 | Engine oil | | N | | N | N | N | N | N | N | 0000610 | 10 | N | N |
| 00006 | Rear Brake | | N | | N | N | N | N | N | N | 0000614 | 11 | N | N |
| 00003 | Brake fluid | | N | | N | N | N | N | N | N | 0000618 | 4 | N | N |
| 00002 | Front Brake | | N | | N | N | N | N | N | N | 0000612 | 7 | N | N |
| 00032 | Statutory vehicle inspection | | N | | N | N | N | N | N | N | 0012559 | 0 | N | N |
| 00008 | Fuel filter | combined with Engine oil | N | | N | N | N | N | N | N | 0000604 | 4 | N | N |

FBM-Viewer
 List of Keydata

| CBS-ID | Name | Status SAM preselected | selected / deselected | unchangeable | In Service Package | Identifier BSI Due Date | In Service Package billable | Recommendation | AW No. | AW Amount | associated Work | Order ID |
|--------|---|---------------------------|-----------------------|--------------|--------------------|-------------------------|-----------------------------|----------------|---------|-----------|-----------------|----------|
| 00034 | Air filter element | combined with Engine oil | N | N | N | N | N | N | 0000602 | 2 | N | |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | combined with Brake fluid | N | N | N | N | N | N | 0000616 | 1 | N | |

FBM-Viewer
 List of Keydata

Vehicle Defects

| | |
|----------------------------------|---|
| Number of Error Memory Entries | 2 |
| Maximum of Error Memory Entries | |
| Number of responding ECU | 2 |
| Number of ECU with Error Entries | |

Extended Attributes

| Name | Value | Text |
|---|---------------------|------|
| typeCountry | 2.0 | US |
| topUpInformationEngineOil.cbsIdentifier | 99901 | |
| iLevel.iLevelHO | E89X-09-09-516 | |
| dataConsistence3 | 255 | |
| topUpInformationEngineOil.code | 0 | |
| dataConsistence1 | 255 | |
| topUpInformationEngineOil.description | Engine oil level OK | |
| iLevel.iLevelBackup | E89X-09-09-516 | |
| dataConsistence2 | 255 | |
| iLevel.iLevelPlant | E89X-08-09-530 | |
| iLevel.newLevelAvailable | false | |
| dataConsistence4 | 254 | |

Vehicle Defects Detail 1

| DTC | ECU Address | PuMA Action |
|------|-------------|-------------|
| ABEC | 0, null | |
| A8B6 | 0, null | |

FBM-Viewer

List of Keydata



Vehicle data

| | |
|----------|----------------|
| VIN-7 | A265980 |
| Type | PN83 |
| Model | 335D |
| E-Series | E90 |
| I-Plant | E89X-08-09-530 |
| Engine | M57Y |
| Prod. | 06/02/2009 |

| Read Date | Update Date | Dealer No. | Dealer Name, City | Country | km State | Service Type | Key Derivate |
|------------------------|------------------------|-------------------|--------------------------|---------|----------|--------------|--------------|
| 25/01/2011 08:57:13 PM | 25/01/2011 08:42:00 PM | 56592 / 06592 - 1 | Casey BMW , Newport News | USA | 89,687 | CBS | 8 |

Systeminfo

| | |
|---------------------|--------------------------------|
| AG-Dealer Number | 56592 |
| GUID | 05A265980999999920110125145332 |
| LANG_ID | |
| Date/Time at Insert | 25/01/2011 08:53:33 PM |
| Date/Time at Update | 25/01/2011 08:42:00 PM |
| GENKI_VERSION | 04.05 |
| KSD_VERSION | 12/2010 |

Key Data Information

| | |
|----------------------|------------------------|
| Key Derivate (Main) | 8 |
| Key Derivate (Sub) | 6 |
| Service Type | CBS |
| Origin | K |
| Update in Vehicle | 25/01/2011 08:42:00 PM |
| Read Date | 25/01/2011 08:57:13 PM |
| Key Memory Number | 0 |
| Key-HW No. | 0 |
| Code of Writing Mode | 1 |

FBM-Viewer
 List of Keydata

Vehicle Info

| | |
|----------------------|------------|
| VIN-10 | WBAPN73569 |
| VIN-7 | A265980 |
| E-Series | E90 |
| Main Type | PN83 |
| Type | PN83 |
| Brand | BMW |
| Product Type | 1 |
| Production month | 02/2009 |
| Initial Registration | 30/05/2009 |
| No. Gears | 6 |
| Drive | 2 |
| Engine Displacement | 3 |
| Actuation | 6 |
| Car Body | 1 |
| Steering | 1 |
| Cylinder | 6 |
| Paint Code | 066 |
| Bolster Code | LCD3 |

Vehicle Condition

| | |
|---------------------|-------|
| Battery Voltage | 14.01 |
| Cooling Temperature | 85 |
| Air Temperature | 10.5 |
| Tank | 4 |

CBS Info

| | |
|--|-----|
| CBS Variant | 4 |
| Number of CBS Coverage | 5 |
| Kilometer average (km / week) last 8 weeks | 840 |
| Kilometer average (km / week) last year | 930 |

CBS Info Service

| | |
|-------------------|------------|
| ASU | |
| HU | 01/06/2011 |
| Break Liquid | 01/02/2011 |
| Technical Check | -1,200 |
| Distance (Total) | 26,000 |
| Next Service Date | 31/05/2011 |

CBS Info Vehicle

| | |
|--|---|
| TeleService Status | 0 |
| Service Distance / Distance Vehicle (Yellow) | 4 |
| Service Code HU / AU Vehicle | 1 |
| Distance Unit | 0 |
| Service Distance Vehicle (Yellow) | |
| Service Time Vehicle (Yellow) | |

FBM-Viewer

List of Keydata

CBS Coverage

| CBS-ID | Name | Status Veh. | Service Counter | Availability | next Service Time | next Service Distance | Due Date (max) | linked CBS Coverage Code | Action-Status | Action-Name | Action-Content |
|--------|---|-------------|-----------------|--------------|-------------------|-----------------------|----------------|--------------------------|---------------|-------------|----------------|
| 99999 | Standard scope | green | 0 | | | | | | | | |
| 00017 | Vehicle check | red | 2 | 0 | 1,086 | 1,200 | 2014-02 | | | | |
| 00003 | Brake fluid | yellow | 1 | 2 | 6 | | 2011-02 | | | | |
| 00001 | Engine oil | yellow | 5 | 21 | 126 | 2,200 | 2011-06 | | | | |
| 00006 | Rear Brake | green | 2 | 72 | | 37,000 | | | | | |
| 00002 | Front Brake | green | 1 | 33 | | 48,000 | | | | | |
| 00032 | Statutory vehicle inspection | green | | | 126 | | | | | | |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | yellow | 0 | | 6 | | 2011-06 | | | | |

CBS Coverage

| CBS-ID | Name | Status Veh. | Calculation Interval | Due Date Remaining Time | Due Date Remaining Distance | Forecast Time | Forecast Distance | TeleService Ability |
|--------|---|-------------|----------------------|-------------------------|-----------------------------|---------------|-------------------|---------------------|
| 99999 | Standard scope | 0 | | | | | | |
| 00017 | Vehicle check | 3,220 | | J | | 48 | 42 | 3 |
| 00003 | Brake fluid | 112 | | J | | 24 | | 3 |
| 00001 | Engine oil | 3,220 | | J | | 12 | 26 | 3 |
| 00006 | Rear Brake | 6,440 | | J | | | 51 | 1 |
| 00002 | Front Brake | 6,440 | | J | | | 144 | 1 |
| 00032 | Statutory vehicle inspection | 0 | | J | | | | 0 |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | 0 | | J | | | | |

CBS Coverage (Order)

| CBS-ID | Name | Status SAM | preselected | selected / deselected | unchangeable | In Service Package | Identifier BSI Due Date | In Service Package billable | Recommendation | AW No. | AW Amount | associated Work | Order ID |
|--------|--|------------|-------------|-----------------------|--------------|--------------------|-------------------------|-----------------------------|----------------|---------|-----------|-----------------|----------|
| 99999 | Standard scope | J | | | N | N | N | N | N | 0000105 | 2 | N | N |
| 00017 | Vehicle check | due | | | N | N | N | N | N | 0000624 | 6 | J | J |
| 00003 | Brake fluid | due | | | N | N | N | N | N | 0000618 | 4 | J | J |
| 00001 | Engine oil | due | | | N | N | N | N | N | 0000610 | 6 | J | J |
| 00006 | Rear Brake | | | | N | N | N | N | N | 0000614 | 11 | N | N |
| 00002 | Front Brake | | | | N | N | N | N | N | 0000612 | 7 | N | N |
| 00032 | Statutory vehicle inspection | | | | N | N | N | N | N | 0012459 | 0 | N | N |
| 00119 | Microfilter (consider further additional job(s) if with Brake fluid appropriate) | combined | | | N | N | N | N | N | 0000616 | 1 | J | J |

FBM-Viewer

List of Keydata

CheckControl Messages

| Code | CC Description | km Reading |
|-------|-------------------------|------------|
| 00164 | Washer fluid level low! | |
| 00275 | Fuel reserve! | |

Vehicle Defects

| | |
|----------------------------------|---|
| Number of Error Memory Entries | 5 |
| Maximum of Error Memory Entries | |
| Number of responding ECU | |
| Number of ECU with Error Entries | 3 |

Extended Attributes

| Name | Value | Text |
|---|------------------|------|
| typeCountry | 2.0 | US |
| topUpInformationEngineOil.cbsIdentifier | 99901 | |
| iLevel.iLevelBackup | E89X-09-12-512 | |
| iLevel.iLevelHO | E89X-10-03-504 | |
| dataConsistence3 | 255 | |
| topUpInformationEngineOil.code | 0 | |
| dataConsistence1 | 255 | |
| topUpInformationEngineOil.description | Engine oil level | |
| dataConsistence2 | OK | |
| iLevel.iLevelPlant | 255 | |
| | E89X-08-09-530 | |
| iLevel.newLevelAvailable | true | |
| dataConsistence4 | 254 | |

Vehicle Defects Detail 1

| DTC | ECU Address | PuMA Action |
|------|-------------|-------------|
| 3FF1 | 0, null | |
| A0B4 | 0, null | |
| 2E3C | 0, null | |
| A10A | 0, null | |
| A8B3 | 0, null | |

Vehicle Info - built in ECUs

| ECU Address | Diagnostics Index | Variant Index |
|-------------|-------------------|---------------|
| 64 | 1696 | 21313 |
| 0 | 3536 | 20050 |
| 120 | 1488 | 18261 |
| 86 | 1440 | 18499 |
| 23 | 4112 | 22084 |
| 32 | 4096 | 17735 |
| 109 | 3152 | 21326 |
| 114 | 3680 | 21068 |
| 1 | 2276 | 18266 |
| 98 | 3984 | 21577 |
| 24 | 516 | 21324 |

FBM-Viewer
List of Keydata

| ECU Address | Diagnostics Index | Variant Index |
|-------------|-------------------|---------------|
| 99 | 4000 | 21576 |
| 18 | 48 | 22340 |
| 96 | 2256 | 21073 |
| 54 | 1586 | 21826 |
| 41 | 1457 | 19521 |

FBM-Viewer
 List of Keydata

Vehicle data

| | |
|----------|----------------|
| VIN-7 | A265980 |
| Type | PN83 |
| Model | 335D |
| E-Series | E90 |
| I-Plant | E89X-08-09-530 |
| Engine | M57Y |
| Prod. | 06/02/2009 |

| Read Date | Update Date | Dealer No. | Dealer Name, City | Country | km State | Service Type | Key Derivate |
|------------------------|------------------------|-------------------|--------------------------|---------|----------|--------------|--------------|
| 07/02/2012 02:17:06 PM | 07/02/2012 02:09:00 PM | 56592 / 06592 - 1 | Casey BMW , Newport News | USA | 177,906 | CBS | 8 |

Systeminfo

| | |
|---------------------|--------------------------------|
| AG-Dealer Number | 56592 |
| GUID | 08A265980999999920120207081604 |
| LANG_ID | |
| Date/Time at Insert | 07/02/2012 02:16:06 PM |
| Date/Time at Update | 07/02/2012 02:09:00 PM |
| GENKI_VERSION | 04.09 |
| KSD_VERSION | 12/2011 |

Key Data Information

| | |
|----------------------|------------------------|
| Key Derivate (Main) | 8 |
| Key Derivate (Sub) | 6 |
| Service Type | CBS |
| Origin | K |
| Update in Vehicle | 07/02/2012 02:09:00 PM |
| Read Date | 07/02/2012 02:17:06 PM |
| Key Memory Number | 1 |
| Key-HW No. | 1 |
| Code of Writing Mode | 1 |

FBM-Viewer

List of Keydata

Vehicle Info

| | |
|----------------------|------------|
| VIN-10 | WBAPN73569 |
| VIN-7 | A265980 |
| E-Series | E90 |
| Main Type | PN83 |
| Type | PN83 |
| Brand | BMW |
| Product Type | 1 |
| Production month | 02/2009 |
| Initial Registration | 30/05/2009 |
| No. Gears | 6 |
| Drive | 2 |
| Engine Displacement | 3 |
| Actuation | 6 |
| Car Body | 1 |
| Steering | 1 |
| Cylinder | 6 |
| Paint Code | 066 |
| Bolster Code | LCD3 |

Vehicle Condition

| | |
|---------------------|-------|
| Battery Voltage | 13.94 |
| Cooling Temperature | 84 |
| Air Temperature | 5.5 |
| Tank | 60 |

CBS Info

| | |
|--|-------|
| CBS Variant | 4 |
| Number of CBS Coverage | 5 |
| Kilometer average (km / week) last 8 weeks | 1,920 |
| Kilometer average (km / week) last year | 1,630 |

CBS Info Service

| | |
|-------------------|------------|
| ASU | |
| HU | 01/08/2011 |
| Break Liquid | 01/01/2013 |
| Technical Check | -46,000 |
| Distance (Total) | 25,000 |
| Next Service Date | 27/12/2012 |

CBS Info Vehicle

| | |
|--|---|
| TeleService Status | 0 |
| Service Distance / Distance Vehicle (Yellow) | 4 |
| Service Code HU / AU Vehicle | 1 |
| Distance Unit | 0 |
| Service Distance Vehicle (Yellow) | |
| Service Time Vehicle (Yellow) | |

FBM-Viewer

List of Keydata

CBS Coverage

| CBS-ID | Name | Status Veh. | Service Counter | Availability | next Service Time | next Service Distance | Due Date (max) | linked CBS Coverage Code | Action-Status | Action-Name | Action-Content |
|--------|---|-------------|-----------------|--------------|-------------------|-----------------------|----------------|--------------------------|---------------|---|----------------|
| 99999 | Standard scope | green | 0 | 0 | 1,044 | -46,000 | 2015-01 | | | | |
| 00017 | Vehicle check | red | 3 | 0 | | -34,000 | | | | | |
| 00002 | Front Brake | red | 1 | 0 | | -25,000 | | | | | |
| 00006 | Rear Brake | red | 2 | 0 | | -14,000 | | | | | |
| 00001 | Engine oil | red | 9 | 0 | 204 | | 2012-09 | | | Fuel filter, Air filter element | |
| 00003 | Brake fluid | green | 2 | 48 | 324 | | 2013-01 | | | Microfilter (consider further additional job(s) if appropriate) | |
| 00032 | Statutory vehicle inspection | red | | | -186 | | 2011-08 | | | | |
| 00008 | Fuel filter | red | 0 | | 204 | -14,000 | | | | | |
| 00034 | Air filter element | red | 0 | | 204 | -14,000 | | | | | |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | green | 0 | | 324 | | | | | | |

CBS Coverage

| CBS-ID | Name | Status Veh. | Calculation Interval | Due Date Remaining Time | Due Date Remaining Distance | Forecast Time | Forecast Distance | TeleService Ability |
|--------|---|-------------|----------------------|-------------------------|-----------------------------|---------------|-------------------|---------------------|
| 99999 | Standard scope | 0 | | N | J | 48 | 42 | 3 |
| 00017 | Vehicle check | 3,220 | | N | J | | 126 | 3 |
| 00002 | Front Brake | 6,440 | | N | J | | 58 | 3 |
| 00006 | Rear Brake | 3,220 | | N | J | 12 | 25 | 3 |
| 00001 | Engine oil | 112 | | J | J | 24 | | 1 |
| 00003 | Brake fluid | 0 | | J | J | | | 0 |
| 00032 | Statutory vehicle inspection | 0 | | N | N | | | |
| 00008 | Fuel filter | 0 | | N | N | | | |
| 00034 | Air filter element | 0 | | N | N | | | |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | 0 | | N | N | | | |

CBS Coverage (Order)

| CBS-ID | Name | Status SAM preselected | selected / deselected | unchangeable | in Service Package | Identifier BSI Due Date | in Service Package billable | Recommendation | AW No. | AW Amount | associated Work | Order ID |
|--------|------------------------------|--------------------------|-----------------------|--------------|--------------------|-------------------------|-----------------------------|----------------|---------|-----------|-----------------|----------|
| 99999 | Standard scope | J | | N | N | N | N | N | 0000105 | 2 | N | N |
| 00017 | Vehicle check | due | | N | N | N | N | N | 0000624 | 6 | J | J |
| 00002 | Front Brake | due | | N | N | N | N | N | 0000612 | 7 | J | J |
| 00006 | Rear Brake | due | | N | N | N | N | N | 0000614 | 11 | J | J |
| 00001 | Engine oil | due | | N | N | N | N | N | 0000610 | 6 | J | J |
| 00003 | Brake fluid | due | | N | N | N | N | N | 0000618 | 4 | N | N |
| 00032 | Statutory vehicle inspection | due | | N | N | N | N | N | 0012559 | 0 | J | J |
| 00008 | Fuel filter | combined with Engine oil | | N | N | N | N | N | 0000604 | 4 | J | J |

FBM-Viewer
List of Keydata

| CBS-ID | Name | Status SAM preselected | selected / deselected | unchangeable | In Service Package | Identifier BSI Due Date | In Service Package billable | Recommendation | AW No. | AW Amount | associated Work | Order ID |
|--------|---|---------------------------|-----------------------|--------------|--------------------|-------------------------|-----------------------------|----------------|---------|-----------|-----------------|----------|
| 00034 | Air filter element | combined with Engine oil | J | N | N | N | N | N | 0000602 | 2 | J | |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | combined with Brake fluid | N | N | N | N | N | N | 0000616 | 1 | N | |

FBM-Viewer
 List of Keydata

CheckControl Messages

| Code | CC Description | km Reading |
|-------|---------------------------|------------|
| 00071 | Brake pads! Replace | |
| 00136 | Brake light left failure! | |

Vehicle Defects

| | |
|----------------------------------|---|
| Number of Error Memory Entries | 7 |
| Maximum of Error Memory Entries | |
| Number of responding ECU | |
| Number of ECU with Error Entries | 5 |

Extended Attributes

| Name | Value | Text |
|---|---------------------|------|
| typeCountry | 2.0 | US |
| iLevel.iLevelBackup | E89X-10-03-504 | |
| topUpInformationEngineOil.cbsIdentifier | 99901 | |
| iLevel.iLevelHO | E89X-10-12-503 | |
| dataConsistence3 | 255 | |
| topUpInformationEngineOil.code | 0 | |
| dataConsistence1 | 255 | |
| topUpInformationEngineOil.description | Engine oil level OK | |
| dataConsistence2 | 255 | |
| iLevel.iLevelPlant | E89X-08-09-530 | |
| iLevel.newLevelAvailable | true | |
| dataConsistence4 | 254 | |

Vehicle Defects Detail 1

| DTC | ECU Address | PuMA Action |
|------|-------------|-------------|
| 2E3C | 0, null | |
| A6CF | 0, null | |
| A8B6 | 0, null | |
| 9CB3 | 0, null | |
| 5DE2 | 0, null | |
| 5DE3 | 0, null | |
| ABEC | 0, null | |

Vehicle Info - built in ECUs

| ECU Address | Diagnostics Index | Variant Index |
|-------------|-------------------|---------------|
| 64 | 1696 | 21313 |
| 0 | 3536 | 20050 |
| 120 | 1488 | 18261 |
| 86 | 1440 | 18499 |
| 23 | 4112 | 22084 |
| 32 | 4096 | 17735 |
| 109 | 3152 | 21326 |
| 114 | 3680 | 21068 |
| 1 | 2276 | 18266 |

FBM-Viewer
List of Keydata

| ECU Address | Diagnostics Index | Variant Index |
|-------------|-------------------|---------------|
| 98 | 3984 | 21577 |
| 24 | 516 | 21324 |
| 99 | 4000 | 21576 |
| 18 | 48 | 22340 |
| 96 | 2256 | 21073 |
| 54 | 1586 | 21826 |
| 41 | 1457 | 19521 |

FBM-Viewer

List of Keydata



Vehicle data

| | |
|----------|----------------|
| VIN-7 | A265980 |
| Type | PN83 |
| Model | 335D |
| E-Series | E90 |
| I-Plant | E89X-08-09-530 |
| Engine | M57Y |
| Prod. | 06/02/2009 |

| Read Date | Update Date | Dealer No. | Dealer Name, City | Country | km State | Service Type | Key Derivate |
|------------------------|------------------------|-------------------|--------------------------|---------|----------|--------------|--------------|
| 09/04/2012 08:30:52 PM | 09/04/2012 08:16:00 PM | 56592 / 06592 - 1 | Casey BMW , Newport News | USA | 196,264 | CBS | 8 |

Systeminfo

| | |
|---------------------|--------------------------------|
| AG-Dealer Number | 56592 |
| GUID | 14A265980999999920120409143157 |
| LANG_ID | |
| Date/Time at Insert | 09/04/2012 08:31:58 PM |
| Date/Time at Update | 09/04/2012 08:16:00 PM |
| GENKI_VERSION | 04.09 |
| KSD_VERSION | 03/2012 |

Key Data Information

| | |
|----------------------|------------------------|
| Key Derivate (Main) | 8 |
| Key Derivate (Sub) | 6 |
| Service Type | CBS |
| Origin | K |
| Update in Vehicle | 09/04/2012 08:16:00 PM |
| Read Date | 09/04/2012 08:30:52 PM |
| Key Memory Number | 1 |
| Key-HW No. | 1 |
| Code of Writing Mode | 1 |

FBM-Viewer
 List of Keydata

| Vehicle Info | |
|----------------------|------------|
| VIN-10 | WBAPN73569 |
| VIN-7 | A265980 |
| E-Series | E90 |
| Main Type | PN83 |
| Type | PN83 |
| Brand | BMW |
| Product Type | 1 |
| Production month | 02/2009 |
| Initial Registration | 30/05/2009 |
| No. Gears | 6 |
| Drive | 2 |
| Engine Displacement | 3 |
| Actuation | 6 |
| Car Body | 1 |
| Steering | 1 |
| Cylinder | 6 |
| Paint Code | 066 |
| Bolster Code | LCD3 |
| Vehicle Condition | |
| Battery Voltage | 13.95 |
| Cooling Temperature | 85 |
| Air Temperature | 24 |
| Tank | 26 |

| CBS Info | |
|--|------------|
| CBS Variant | 4 |
| Number of CBS Coverage | 5 |
| Kilometer average (km / week) last 8 weeks | 2,070 |
| Kilometer average (km / week) last year | 1,630 |
| CBS Info Service | |
| ASU | 01/08/2011 |
| HU | 01/01/2013 |
| Break Liquid | -60,000 |
| Technical Check | 25,000 |
| Distance (Total) | 27/12/2012 |
| Next Service Date | |
| CBS Info Vehicle | |
| TeleService Status | 0 |
| Service Distance / Distance Vehicle (Yellow) | 4 |
| Service Code HU / AU Vehicle | 1 |
| Distance Unit | 0 |
| Service Distance Vehicle (Yellow) | |
| Service Time Vehicle (Yellow) | |

FBM-Viewer

List of Keydata

CBS Coverage

| CBS-ID | Name | Status | Veh. | Service Counter | Availability | next Service Time | next Service Distance | Due Date (max) | linked CBS Coverage Code | Action-Status | Action-Name | Action-Content |
|--------|---|--------|------|-----------------|--------------|-------------------|-----------------------|----------------|--------------------------|---------------|---|----------------|
| 99999 | Standard scope | green | | 0 | 0 | 982 | -60,000 | 2015-01 | | | | |
| 00017 | Vehicle check | red | | 3 | 0 | | -50,000 | | | | | |
| 00002 | Front Brake | red | | 1 | 0 | | -50,000 | | | | | |
| 00006 | Rear Brake | red | | 2 | 0 | | -50,000 | | | | | |
| 00001 | Engine oil | red | | 9 | 0 | 142 | -32,000 | 2012-09 | | | Fuel filter, Air filter element | |
| 00003 | Brake fluid | green | | 2 | 39 | 262 | | 2013-01 | | | Microfilter (consider further additional job(s) if appropriate) | |
| 00032 | Statutory vehicle inspection | red | | | | -248 | | 2011-08 | | | | |
| 00008 | Fuel filter | red | | 0 | | 142 | -32,000 | | | | | |
| 00034 | Air filter element | red | | 0 | | 142 | -32,000 | | | | | |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | green | | 0 | | 262 | | | | | | |

CBS Coverage

| CBS-ID | Name | Status | Veh. | Calculation Interval | Due Date Remaining Time | Due Date Remaining Distance | Forecast Time | Forecast Distance | TeleService Ability |
|--------|---|--------|------|----------------------|-------------------------|-----------------------------|---------------|-------------------|---------------------|
| 99999 | Standard scope | | | 0 | N | J | 48 | 42 | 3 |
| 00017 | Vehicle check | | | 3,220 | J | J | | 150 | 3 |
| 00002 | Front Brake | | | 6,440 | J | J | | 150 | 3 |
| 00006 | Rear Brake | | | 9,660 | J | J | | 25 | 3 |
| 00001 | Engine oil | | | 3,220 | N | J | 12 | | 3 |
| 00003 | Brake fluid | | | 112 | J | J | 24 | | 1 |
| 00032 | Statutory vehicle inspection | | | 0 | J | J | | | 0 |
| 00008 | Fuel filter | | | 0 | N | J | | | |
| 00034 | Air filter element | | | 0 | N | J | | | |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | | | 0 | J | J | | | |

CBS Coverage (Order)

| CBS-ID | Name | Status | SAM preselected | selected / deselected | unchangeable | in Service Package | Identifier BSI Due Date | in Service Package billable | RecommendationAW No. | AW Amount | associated Work | Order ID |
|--------|------------------------------|--------|--------------------------|-----------------------|--------------|--------------------|-------------------------|-----------------------------|----------------------|-----------|-----------------|----------|
| 99999 | Standard scope | J | | | N | N | N | N | 0000105 | 2 | N | N |
| 00017 | Vehicle check | J | due | | N | N | N | N | 0000624 | 6 | J | J |
| 00002 | Front Brake | J | due | | N | N | N | N | 0000612 | 7 | J | J |
| 00006 | Rear Brake | J | due | | N | N | N | N | 0000614 | 11 | J | J |
| 00001 | Engine oil | J | due | | N | N | N | N | 0000610 | 6 | J | J |
| 00003 | Brake fluid | N | | | N | N | N | N | 0000618 | 4 | N | N |
| 00032 | Statutory vehicle inspection | J | due | | N | N | N | N | 0012559 | 0 | J | J |
| 00008 | Fuel filter | J | combined with Engine Oil | | N | N | N | N | 0000604 | 4 | J | J |

FBM-Viewer
 List of Keydata

| CBS-ID | Name | Status SAM preselected | selected / deselected | unchangeable | In Service Package | Identifier BSI Due Date | In Service Package billable | Recommendation | AW No. | AW Amount | associated Work | Order ID |
|--------|---|--------------------------------|-----------------------|--------------|--------------------|-------------------------|-----------------------------|----------------|---------|-----------|-----------------|----------|
| 00034 | Air filter element | combined J with Engine oil | | N | N | N | N | N | 0000602 | 2 | J | |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | combined N with Brake fluid | | N | N | N | N | N | 0000616 | 1 | N | |

FBM-Viewer
 List of Keydata

CheckControl Messages

| Code | CC Description | km Reading |
|-------|---------------------------|------------|
| 00071 | Brake pads! Replace | |
| 00136 | Brake light left failure! | |
| 00164 | Washer fluid level low! | |

Vehicle Defects

| | |
|----------------------------------|---|
| Number of Error Memory Entries | 9 |
| Maximum of Error Memory Entries | |
| Number of responding ECU | |
| Number of ECU with Error Entries | 4 |

Extended Attributes

| Name | Value | Text |
|---|---------------------|------|
| typeCountry | 2.0 | US |
| iLevel.iLevelBackup | E89X-10-03-504 | |
| topUpInformationEngineOil.cbsIdentifier | 99901 | |
| iLevel.iLevelHO | E89X-10-12-503 | |
| dataConsistence3 | 255 | |
| topUpInformationEngineOil.code | 0 | |
| dataConsistence1 | 255 | |
| topUpInformationEngineOil.description | Engine oil level OK | |
| dataConsistence2 | 255 | |
| iLevel.iLevelPlant | E89X-08-09-530 | |
| iLevel.newLevelAvailable | true | |
| dataConsistence4 | 254 | |

Vehicle Defects Detail 1

| DTC | ECU Address | PuMA Action |
|------|-------------|-------------|
| 5DE3 | 0, null | |
| 4BAC | 0, null | |
| 9CB3 | 0, null | |
| 5DE2 | 0, null | |
| A8A8 | 0, null | |
| ABEC | 0, null | |
| 4B10 | 0, null | |
| A8B6 | 0, null | |
| 4B82 | 0, null | |

Vehicle Info - built in ECUs

| ECU Address | Diagnostics Index | Variant Index |
|-------------|-------------------|---------------|
| 64 | 1696 | 21313 |
| 0 | 3536 | 20050 |
| 120 | 1488 | 18261 |
| 86 | 1440 | 18499 |
| 23 | 4112 | 22084 |
| 32 | 4096 | 17735 |
| 109 | 3152 | 21326 |

FBM-Viewer
List of Keydata

| ECU Address | Diagnostics Index | Variant Index |
|-------------|-------------------|---------------|
| 114 | 3680 | 21068 |
| 1 | 2276 | 18266 |
| 98 | 3984 | 21577 |
| 24 | 516 | 21324 |
| 99 | 4000 | 21576 |
| 18 | 48 | 22340 |
| 96 | 2256 | 21073 |
| 54 | 1586 | 21826 |
| 41 | 1457 | 19521 |

FBM-Viewer
 List of Keydata

Vehicle data

| | |
|----------|----------------|
| VIN-7 | A265980 |
| Type | PN83 |
| Model | 335D |
| E-Series | E90 |
| I-Plant | E89X-08-09-530 |
| Engine | M57Y |
| Prod. | 06/02/2009 |

| Read Date | Update Date | Dealer No. | Dealer Name, City | Country | km State | Service Type | Key Derivate |
|------------------------|------------------------|-------------------|--------------------------|---------|----------|--------------|--------------|
| 03/08/2012 07:34:10 PM | 03/08/2012 07:20:00 PM | 56592 / 06592 - 1 | Casey BMW , Newport News | USA | 231,388 | CBS | 8 |

Systeminfo

| | |
|---------------------|--------------------------------|
| AG-Dealer Number | 56592 |
| GUID | 07A265980999999920120803133414 |
| LANG_ID | |
| Date/Time at Insert | 03/08/2012 07:34:15 PM |
| Date/Time at Update | 03/08/2012 07:20:00 PM |
| GENKI_VERSION | 04.09 |
| KSD_VERSION | 07/2012 |

Key Data Information

| | |
|----------------------|------------------------|
| Key Derivate (Main) | 8 |
| Key Derivate (Sub) | 6 |
| Service Type | CBS |
| Origin | K |
| Update in Vehicle | 03/08/2012 07:20:00 PM |
| Read Date | 03/08/2012 07:34:10 PM |
| Key Memory Number | 1 |
| Key-HW No. | 1 |
| Code of Writing Mode | 1 |

FBM-Viewer

List of Keydata

Vehicle Info

| | |
|----------------------|------------|
| VIN-10 | WBAPN73569 |
| VIN-7 | A265980 |
| E-Series | E90 |
| Main Type | PN83 |
| Type | PN83 |
| Brand | BMW |
| Product Type | 1 |
| Production month | 02/2009 |
| Initial Registration | 30/05/2009 |
| No. Gears | 6 |
| Drive | 2 |
| Engine Displacement | 3 |
| Actuation | 6 |
| Car Body | 1 |
| Steering | 1 |
| Cylinder | 6 |
| Paint Code | 066 |
| Bolster Code | LCD3 |

Vehicle Condition

| | |
|---------------------|-------|
| Battery Voltage | 13.85 |
| Cooling Temperature | 91 |
| Air Temperature | 35 |
| Tank | 18 |

CBS Info

| | |
|--|-------|
| CBS Variant | 4 |
| Number of CBS Coverage | 5 |
| Kilometer average (km / week) last 8 weeks | 2,150 |
| Kilometer average (km / week) last year | 1,820 |

CBS Info Service

| | |
|-------------------|------------|
| ASU | |
| HU | 01/08/2011 |
| Break Liquid | 01/01/2013 |
| Technical Check | -100,000 |
| Distance (Total) | 24,000 |
| Next Service Date | 29/12/2012 |

CBS Info Vehicle

| | |
|--|---|
| TeleService Status | 0 |
| Service Distance / Distance Vehicle (Yellow) | 4 |
| Service Code HU / AU Vehicle | 1 |
| Distance Unit | 0 |
| Service Distance Vehicle (Yellow) | |
| Service Time Vehicle (Yellow) | |

FBM-Viewer

List of Keydata

CBS Coverage

| CBS-ID | Name | Status | Veh. Counter | Availability | next Service Time | next Service Distance | Due Date (max) | linked CBS Coverage Code | Action-Status | Action-Name | Action-Content |
|--------|---|--------|--------------|--------------|-------------------|-----------------------|----------------|--------------------------|---------------|---|----------------|
| 99999 | Standard scope | green | 0 | | | | | | | | |
| 00017 | Vehicle check | red | 3 | 0 | 868 | -100,000 | 2015-01 | | | | |
| 00001 | Engine oil | red | 9 | 0 | 28 | -70,000 | 2012-09 | | | Fuel filter, Air filter element | |
| 00002 | Front Brake | red | 1 | 0 | | -50,000 | | | | | |
| 00006 | Rear Brake | red | 2 | 0 | | -50,000 | | | | | |
| 00003 | Brake fluid | green | 2 | 23 | 148 | | 2013-01 | | | Microfilter (consider further additional job(s) if appropriate) | |
| 00032 | Statutory vehicle inspection | red | 0 | | -362 | -70,000 | 2011-08 | | | | |
| 00008 | Fuel filter | red | 0 | | 28 | -70,000 | | | | | |
| 00034 | Air filter element | red | 0 | | 28 | -70,000 | | | | | |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | green | 0 | | 148 | | | | | | |

CBS Coverage

| CBS-ID | Name | Status | Veh. Interval | Calculation | Due Date Remaining Time | Due Date Remaining Distance | Forecast Time | Forecast Distance | TeleService Ability |
|--------|---|--------|---------------|-------------|-------------------------|-----------------------------|---------------|-------------------|---------------------|
| 99999 | Standard scope | 0 | | | | | | | |
| 00017 | Vehicle check | 3,220 | | N | J | 48 | 42 | 3 | |
| 00001 | Engine oil | 3,220 | | N | J | 12 | 24 | 3 | |
| 00002 | Front Brake | 6,440 | | J | J | | 150 | 3 | |
| 00006 | Rear Brake | 6,440 | | J | J | | 150 | 3 | |
| 00003 | Brake fluid | 112 | | J | J | 24 | | 1 | |
| 00032 | Statutory vehicle inspection | 0 | | J | J | | | 0 | |
| 00008 | Fuel filter | 0 | | N | J | | | | |
| 00034 | Air filter element | 0 | | N | J | | | | |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | 0 | | J | J | | | | |

CBS Coverage (Order)

| CBS-ID | Name | Status | SAM preselected | selected / deselected | unchangeable | in Service Package | Identifier BSI Due Date | in Service Package billable | Recommendation AW No. | AW Amount | associated Work | Order ID |
|--------|------------------------------|--------------------------|-----------------|-----------------------|--------------|--------------------|-------------------------|-----------------------------|-----------------------|-----------|-----------------|----------|
| 99999 | Standard scope | J | | | N | N | N | N | N | 0000105 | 2 | N |
| 00017 | Vehicle check | due | J | | N | N | N | N | N | 0000824 | 6 | J |
| 00001 | Engine oil | due | J | | N | N | N | N | N | 0000610 | 6 | J |
| 00002 | Front Brake | due | J | | N | N | N | N | N | 0000812 | 7 | J |
| 00006 | Rear Brake | due | J | | N | N | N | N | N | 0000614 | 11 | J |
| 00003 | Brake fluid | due | J | | N | N | N | N | N | 0000618 | 4 | N |
| 00032 | Statutory vehicle inspection | due | J | | N | N | N | N | N | 0012559 | 0 | J |
| 00008 | Fuel filter | combined with Engine oil | J | | N | N | N | N | N | 0000604 | 4 | J |

FBM-Viewer
List of Keydata

| CBS-ID | Name | Status SAM preselected | selected / deselected | unchangeable | in Service Package | Identifier BSI Due Date | in Service Package billable | Recommendation | AW No. | AW Amount | associated Work | Order ID |
|--------|---|---------------------------|-----------------------|--------------|--------------------|-------------------------|-----------------------------|----------------|---------|-----------|-----------------|----------|
| 00034 | Air filter element | combined with Engine oil | J | N | N | N | N | N | 0000602 | 2 | J | |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | combined with Brake fluid | N | N | N | N | N | N | 0000616 | 1 | N | |

FBM-Viewer

List of Keydata

CheckControl Messages

| Code | CC Description | km Reading |
|-------|---------------------------|------------|
| 00071 | Brake pads! Replace | |
| 00136 | Brake light left failure! | |

Vehicle Defects

| | |
|----------------------------------|----|
| Number of Error Memory Entries | 14 |
| Maximum of Error Memory Entries | |
| Number of responding ECU | |
| Number of ECU with Error Entries | 3 |

Extended Attributes

| Name | Value | Text |
|---|------------------|------|
| typeCountry | 2.0 | US |
| iLevel.iLevelBackup | E89X-10-03-504 | |
| topUpInformationEngineOil.cbsIdentifier | 99901 | |
| iLevel.iLevelHO | E89X-10-12-503 | |
| dataConsistence3 | 255 | |
| topUpInformationEngineOil.code | 0 | |
| dataConsistence1 | 255 | |
| topUpInformationEngineOil.description | Engine oil level | |
| dataConsistence2 | OK | |
| iLevel.iLevelPlant | 255 | |
| | E89X-08-09-530 | |
| iLevel.newLevelAvailable | true | |
| dataConsistence4 | 254 | |

Vehicle Defects Detail 1

| DTC | ECU Address | PuMA Action |
|------|-------------|-------------|
| A8C6 | 0, null | |
| 9CB3 | 0, null | |
| 2E3C | 0, null | |
| ABEC | 0, null | |
| 4B10 | 0, null | |
| 4B11 | 0, null | |
| A8C5 | 0, null | |
| A8B6 | 0, null | |
| 46A4 | 0, null | |
| 4D35 | 0, null | |
| A8A8 | 0, null | |
| 4B82 | 0, null | |
| 4BAC | 0, null | |
| 4D03 | 0, null | |

Vehicle Info - built in ECUs

| ECU Address | Diagnostics Index | Variant Index |
|-------------|-------------------|---------------|
| 64 | 1696 | 21313 |
| 0 | 3536 | 20050 |

FBM-Viewer
List of Keydata

| ECU Address | Diagnostics Index | Variant Index |
|-------------|-------------------|---------------|
| 120 | 1488 | 18261 |
| 86 | 1440 | 18499 |
| 23 | 4112 | 22084 |
| 32 | 4096 | 17735 |
| 109 | 3152 | 21326 |
| 114 | 3680 | 21068 |
| 1 | 2276 | 18266 |
| 98 | 3984 | 21577 |
| 24 | 516 | 21324 |
| 99 | 4000 | 21576 |
| 18 | 48 | 22340 |
| 96 | 2256 | 21073 |
| 54 | 1586 | 21826 |
| 41 | 1457 | 19521 |

FBM-Viewer

List of Keydata



Vehicle data

| | |
|----------|----------------|
| VIN-7 | A265980 |
| Type | PN83 |
| Model | 335D |
| E-Series | E90 |
| I-Plant | E89X-08-09-530 |
| Engine | M57Y |
| Prod. | 06/02/2009 |

| Read Date | Update Date | Dealer No. | Dealer Name, City | Country | km State | Service Type | Key Derivate |
|------------------------|------------------------|-------------------|--------------------------|---------|----------|--------------|--------------|
| 28/12/2009 03:03:56 PM | 28/12/2009 02:53:00 PM | 56592 / 06592 - 1 | Casey BMW , Newport News | USA | 38,741 | CBS | 8 |

Systeminfo

| | |
|---------------------|--------------------------------|
| AG-Dealer Number | 56592 |
| GUID | 13A265980999999920091228090302 |
| LANG_ID | |
| Date/Time at Insert | 28/12/2009 03:03:02 PM |
| Date/Time at Update | 28/12/2009 02:53:00 PM |
| GENKI_VERSION | - |
| KSD_VERSION | 12/2009 |

Key Data Information

| | |
|----------------------|------------------------|
| Key Derivate (Main) | 8 |
| Key Derivate (Sub) | 6 |
| Service Type | CBS |
| Origin | K |
| Update in Vehicle | 28/12/2009 02:53:00 PM |
| Read Date | 28/12/2009 03:03:56 PM |
| Key Memory Number | 1 |
| Key-HW No. | 1 |
| Code of Writing Mode | 1 |

FBM-Viewer
 List of Keydata

Vehicle Info

| | |
|----------------------|------------|
| VIN-10 | WBAPN73569 |
| VIN-7 | A265980 |
| E-Series | E90 |
| Main Type | PN83 |
| Type | PN83 |
| Brand | BMW |
| Product Type | 1 |
| Production month | 02/2009 |
| Initial Registration | 29/05/2009 |
| No. Gears | 6 |
| Drive | 2 |
| Engine Displacement | 3 |
| Actuation | 6 |
| Car Body | 1 |
| Steering | 1 |
| Cylinder | 6 |
| Paint Code | 066 |
| Bolster Code | LCD3 |

Vehicle Condition

| | |
|---------------------|-------|
| Battery Voltage | 14.49 |
| Cooling Temperature | 86 |
| Air Temperature | 5.5 |
| Tank | 59 |

CBS Info

| | |
|--|-----|
| CBS Variant | 3 |
| Number of CBS Coverage | 5 |
| Kilometer average (km / week) last 8 weeks | 730 |
| Kilometer average (km / week) last year | 740 |

CBS Info Service

| | |
|-------------------|------------|
| ASU | |
| HU | 01/05/2013 |
| Break Liquid | 01/02/2011 |
| Technical Check | 3,300 |
| Distance (Total) | 3,300 |
| Next Service Date | 25/01/2011 |

CBS Info Vehicle

| | |
|--|---|
| TeleService Status | 0 |
| Service Distance / Distance Vehicle (Yellow) | 4 |
| Service Code HU / AU Vehicle | 1 |
| Distance Unit | 0 |
| Service Distance Vehicle (Yellow) | |
| Service Time Vehicle (Yellow) | |

FBM-Viewer

List of Keydata

CBS Coverage

| CBS-ID | Name | Status | Veh. | Service Counter | Availability | next Service Time | next Service Distance | Due Date (max) | linked CBS Coverage Code | Action-Status | Action-Name | Action-Content |
|--------|---|--------|------|-----------------|--------------|-------------------|-----------------------|----------------|--------------------------|---------------|---|----------------|
| 99999 | Standard scope | green | | 0 | | | | | | | | |
| 00001 | Engine oil | red | | 2 | 0 | 243 | 3,200 | 2010-09 | | | | |
| 00017 | Vehicle check | green | | 1 | 7 | 1,113 | 3,300 | 2013-02 | | | | |
| 00006 | Rear Brake | green | | 1 | 37 | | 18,000 | | | | | |
| 00003 | Brake fluid | green | | 1 | 55 | 393 | | 2011-02 | | | Microfilter (consider further additional job(s) if appropriate) | |
| 00002 | Front Brake | green | | 1 | 68 | | 90,000 | | | | | |
| 00032 | Statutory vehicle inspection | green | | | | 1,203 | | 2013-05 | | | | |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | green | | 0 | | 393 | | | | | | |

CBS Coverage

| CBS-ID | Name | Status | Veh. | Calculation Interval | Due Date Remaining Time | Due Date Remaining Distance | Forecast Time | Forecast Distance | TeleService Ability |
|--------|---|--------|------|----------------------|-------------------------|-----------------------------|---------------|-------------------|---------------------|
| 99999 | Standard scope | | | 0 | | | | | |
| 00001 | Engine oil | | | 3,220 | N | J | 12 | 25 | 3 |
| 00017 | Vehicle check | | | 3,220 | N | J | 48 | 42 | 1 |
| 00006 | Rear Brake | | | 6,440 | J | J | | 47 | 1 |
| 00003 | Brake fluid | | | 112 | J | J | 24 | | 1 |
| 00002 | Front Brake | | | 6,440 | J | J | | 131 | 1 |
| 00032 | Statutory vehicle inspection | | | 0 | J | J | | | 0 |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | | | 0 | J | J | | | |

CBS Coverage (Order)

| CBS-ID | Name | Status | SAM preselected | selected / deselected | unchangeable | In Service Package | Identifier BSI Due Date | In Service Package billable | Recommendation | AW No. | AW Amount | associated Work | Order ID |
|--------|---|---------------------------|-----------------|-----------------------|--------------|--------------------|-------------------------|-----------------------------|----------------|---------|-----------|-----------------|----------|
| 99999 | Standard scope | | | | | | | | | | | | |
| 00001 | Engine oil | due | J | | N | N | N | N | N | 0000105 | 2 | N | N |
| 00017 | Vehicle check | | J | | N | N | N | N | N | 0000610 | 10 | J | J |
| 00006 | Rear Brake | | N | | N | N | N | N | N | 0000624 | 6 | N | N |
| 00003 | Brake fluid | | N | | N | N | N | N | N | 0000614 | 11 | N | N |
| 00002 | Front Brake | | N | | N | N | N | N | N | 0000618 | 4 | N | N |
| 00032 | Statutory vehicle inspection | | N | | N | N | N | N | N | 0000612 | 7 | N | N |
| 00119 | Microfilter (consider further additional job(s) if appropriate) | combined with Brake fluid | N | | N | N | N | N | N | 0012559 | 0 | N | N |
| | | | | | N | N | N | N | N | 0000616 | 1 | N | N |

FBM-Viewer
 List of Keydata

Vehicle Defects

| | |
|----------------------------------|---|
| Number of Error Memory Entries | 2 |
| Maximum of Error Memory Entries | |
| Number of responding ECU | 2 |
| Number of ECU with Error Entries | |

Extended Attributes

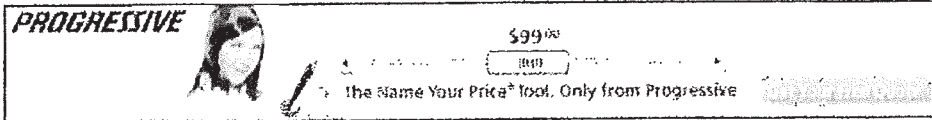
| Name | Value | Text |
|---|---------------------|------|
| typeCountry | 2.0 | US |
| topUpInformationEngineOil.cbsIdentifier | 99901 | |
| iLevel.iLevelHO | E89X-09-09-516 | |
| dataConsistence3 | 255 | |
| topUpInformationEngineOil.code | 0 | |
| dataConsistence1 | 255 | |
| topUpInformationEngineOil.description | Engine oil level OK | |
| iLevel.iLevelBackup | E89X-09-09-516 | |
| dataConsistence2 | 255 | |
| iLevel.iLevelPlant | E89X-08-09-530 | |
| iLevel.newLevelAvailable | false | |
| dataConsistence4 | 254 | |

Vehicle Defects Detail 1

| DTC | ECU Address | PuMA Action |
|------|-------------|-------------|
| ABEC | | 0, null |
| A8B6 | | 0, null |



Kelley Blue Book The Trusted Resource



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Your Blue Book® Value



2009 BMW 3 Series

Style: 335d Sedan 40
Mileage: 143782

Private Party Value

Excellent
\$14,248

Very Good
\$13,548

Good
\$12,648

Fair
\$10,248

Vehicle Highlights

MPG: City 23/Hwy 36

Doors: 4

Drivetrain: RWD

EPA Class: Compact Cars

Country of Origin: Germany

Max Seating: 5

Engine: 6-Cyl, Turbo Dsl, 3.0L

Transmission: Automatic, 6-Spd w/Overdrive & Steptronic

Body Style: Sedan

Country of Assembly: Germany

Your Configured Options

Our pre-selected options, based on typical equipment for this car.

✓ Options that you added while configuring this car.

Engine

6-Cyl, Turbo Dsl, 3.0L

Transmission

Automatic, 6-Spd w/Overdrive & Steptronic

Drivetrain

RWD

Braking and Traction

Traction Control
Stability Control
ABS (4-Wheel)

Comfort and Convenience

Air Conditioning
Power Windows
Power Door Locks
Cruise Control

Steering

Power Steering
Telescoping Wheel

Entertainment and Instrumentation

AM/FM Stereo
MP3 (Single Disc)

Safety and Security

Dual Air Bags
Side Air Bags
F&R Head Curtain Air Bags

Seats

Dual Power Seats
Leather

Roof and Glass

Moon Roof

Lighting

HD Headlamps
Daytime Running Lights

Wheels and Tires

Alloy Wheels

New Cars You Might Like



2013 BMW 3 Series

Glossary of Terms

Kelley Blue Book® Trade-In Value - This is the amount you can expect to receive when you trade in your car to a dealer. This value is determined based on the style, condition, mileage and options

indicated.

Kelley Blue Book® Private Party Value - This is the starting point for negotiation of a used-car sale between a private buyer and seller. This is an "as is" value that does not include any warranties. The final price depends on the car's actual condition and local market factors.

Excellent Condition: 3% of all cars we value meet this criteria. This car looks new and is in excellent mechanical condition. It has never had paint or bodywork and has an interior and body free of wear and visible defects. The car is rust-free and does not need reconditioning. Its clean engine compartment is free of fluid leaks. It also has a clean title history, has complete and verifiable service records and will pass safety and smog inspection.

Very Good Condition: 23% of all cars we value meet this criteria. This car has minor wear or visible defects on the body and interior but is in excellent mechanical condition, requiring only minimal reconditioning. It has little to no paint and bodywork and is free of rust. Its clean engine compartment is free of fluid leaks. The tires match and have 75% or more of tread. It also has a clean title history, with most service records available, and will pass safety and smog inspection.


Good Condition: 54% of all cars we value meet this criteria. This car is free of major mechanical problems but may need some reconditioning. Its paint and bodywork may require minor touch-ups, with repairable cosmetic defects, and its engine compartment may have minor leaks. There are minor body scratches or dings and minor interior blemishes, but no rust. The tires match and have 50% or more of tread. It also has a clean title history, with some service records available, and will pass safety and smog inspection.

Fair Condition: 18% of all cars we value meet this criteria. This car has some mechanical or cosmetic defects and needs servicing, but is still in safe running condition and has a clean title history. The paint, body and/or interior may need professional servicing. The tires may need replacing and there may be some repairable rust damage.

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Observe the following when refueling


 When handling fuels, follow the safety instructions provided at filling stations, otherwise there is a risk of personal injury or property damage. ◀

When refueling, insert the filler nozzle completely into the filler pipe. Avoid lifting the filler nozzle while filling the tank, as that would lead to

- ▷ premature pump shutoff
- ▷ reduced efficiency of the fuel-vapor recovery system.

The fuel tank is full when the filler nozzle clicks off the first time.

Fuel tank capacity

 Refuel as soon as possible once your cruising range falls below 30 miles/50 km, otherwise engine functions are not ensured and damage can occur. ◀


Gasoline engine

Approx. 16.1 US gallons/61 liters, including the reserve capacity of 2.1 US gallons/8 liters.

Diesel engine

Approx. 16.1 US gallons/61 liters, including the reserve capacity of 1.7 US gallons/6.5 liters.

Fuel specifications**Gasoline engine: required fuel**

 Do not refuel with leaded fuel; otherwise, the catalytic converter will be damaged. Do not fill the tank with E85, i.e. fuel containing 85 % ethanol, nor with FlexFuel. Otherwise the engine and fuel supply system will be damaged. ◀

Super Premium Gasoline/AKI 91


This gasoline is highly recommended.

However, you may also use gasoline with less AKI. The minimum AKI Rating is:

- ▷ 323i, 328i/xDrive: 87


- ▷ 335i/xDrive: 89.

If you use gasoline with this minimum AKI Rating, the engine may produce knocking sounds when starting at high outside temperatures. This has no effect on the engine life.

 Do not use any gasoline below the specified minimum fuel grade. Otherwise the engine could be damaged. ◀

Use high-quality brands

Field experience has indicated significant differences in fuel quality: volatility, composition, additives, etc., among gasolines offered for sale in the United States and Canada. Fuels containing up to and including 10 % ethanol or other oxygenates with up to 2.8 % oxygen by weight, that is, 15 % MTBE or 3 % methanol plus an equivalent amount of co-solvent, will not void the applicable warranties with respect to defects in materials or workmanship.

 The use of poor-quality fuels may result in driveability, starting and stalling problems especially under certain environmental conditions such as high ambient temperature and high altitude.


Should you encounter driveability problems which you suspect could be related to the fuel you are using, we recommend that you respond by switching to a recognized high-quality brand such as gasoline that is advertised as Top Tier Detergent Gasoline.

Failure to comply with these recommendations may also result in unscheduled maintenance. ◀


BMW Advanced Diesel: required fuel**Ultra-low sulfur diesel**


The engine of your BMW is designed for diesel with low sulfur content:

Ultra-low sulfur diesel ASTM D 975-07a.

 Refuel with ultra-low sulfur diesel only. The percentage of biodiesel in the fuel may not exceed 5%; this type of fuel is referred to as B5. Do not refuel with gasoline. After refueling with the wrong fuel, e.g. with gasoline, do not start the engine; otherwise, engine damage may occur. ◀

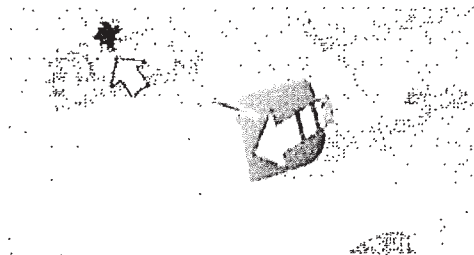
Refueling

 Always switch off the engine before refueling, otherwise, fuel cannot be added to the tank and a message will be displayed. ◀

 Take all precautionary measures and observe all applicable regulations when handling fuel. Do not carry any spare fuel containers in your vehicle. They can develop a leak and cause an explosion or cause a fire in the event of an accident. ◀

Fuel filler door


Opening



1. Open fuel filler door. To do so, lightly press the rear edge.
2. Turn the gas cap counterclockwise.
3. Place the gas cap in the bracket attached to the fuel filler door.

Closing

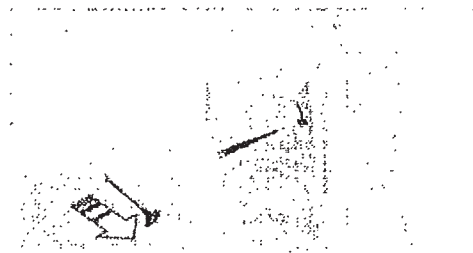
Fit the cap and turn it clockwise until you clearly hear a click.

 Do not pinch the band attached to the cap, otherwise the cap cannot be closed properly and fuel vapors can escape. A message will be displayed if the gas cap is loose or missing. ◀

Manually releasing the fuel filler door

In the event of a malfunction, you can release the fuel filler door manually:

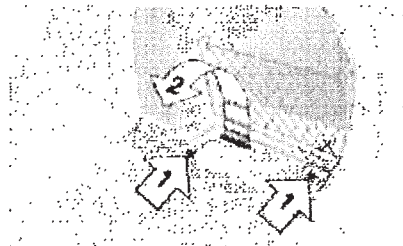
Sedan



1. Remove the cover from the right-hand side-wall of the cargo bay.
2. Pull the knob with the fuel pump symbol. The fuel filler door is released.

Sports Wagon

1. Fold up the cargo bay floor panel.
2. Remove the cover from the right-hand side-wall of the cargo bay. To do so, turn the screws, arrows 1, 90° and take out the cover, arrow 2.



3. Pull the knob with the fuel pump symbol. The fuel filler door is released.



Observe the following when refueling

When handling fuels, follow the safety instructions provided at filling stations, otherwise there is a risk of personal injury or property damage. ◀

When refueling, insert the filler nozzle completely into the filler pipe. Avoid lifting the filler nozzle while filling the tank, as that would lead to

- ▷ premature pump shutoff
- ▷ reduced efficiency of the fuel-vapor recovery system.

The fuel tank is full when the filler nozzle clicks off the first time.

Fuel tank capacity

Refuel as soon as possible once your cruising range falls below 30 miles/50 km, otherwise engine functions are not ensured and damage can occur. ◀

Gasoline engine

Approx. 16.1 US gallons/61 liters, including the reserve capacity of 2.1 US gallons/8 liters.

Diesel engine

Approx. 16.1 US gallons/61 liters, including the reserve capacity of 1.7 US gallons/6.5 liters.

Fuel specifications**Gasoline engine: required fuel**

Do not refuel with leaded fuel; otherwise, the catalytic converter will be damaged. Do not fill the tank with E85, i.e. fuel containing 85% ethanol, nor with FlexFuel. Otherwise the engine and fuel supply system will be damaged. ◀

Super Premium Gasoline/AKI 91

This gasoline is highly recommended.

However, you may also use gasoline with less AKI. The minimum AKI Rating is:

- ▷ 323i, 328i/xDrive: 87

- ▷ 335i/xDrive: 89.

If you use gasoline with this minimum AKI Rating, the engine may produce knocking sounds when starting at high outside temperatures. This has no effect on the engine life.



Do not use any gasoline below the specified minimum fuel grade. Otherwise the engine could be damaged. ◀

Use high-quality brands

Field experience has indicated significant differences in fuel quality: volatility, composition, additives, etc., among gasolines offered for sale in the United States and Canada. Fuels containing up to and including 10 % ethanol or other oxygenates with up to 2.8 % oxygen by weight, that is, 15 % MTBE or 3 % methanol plus an equivalent amount of co-solvent, will not void the applicable warranties with respect to defects in materials or workmanship.



The use of poor-quality fuels may result in driveability, starting and stalling problems especially under certain environmental conditions such as high ambient temperature and high altitude.

Should you encounter driveability problems which you suspect could be related to the fuel you are using, we recommend that you respond by switching to a recognized high-quality brand such as gasoline that is advertised as Top Tier Detergent Gasoline.

Failure to comply with these recommendations may also result in unscheduled maintenance. ◀

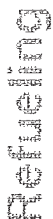
BMW Advanced Diesel: required fuel**Ultra-low sulfur diesel**

The engine of your BMW is designed for diesel with low sulfur content.

Ultra-low sulfur diesel ASTM D 975-07a



Refuel with ultra-low sulfur diesel only. The percentage of biodiesel in the fuel may not exceed 5%; this type of fuel is referred to as B5. Do not refuel with gasoline. After refueling with the wrong fuel, e.g. with gasoline, do not start the engine; otherwise, engine damage may occur. ◀



If you refueled with the wrong fuel, contact your BMW center.



The filler neck is designed for refueling at diesel fuel pumps.

If the filler nozzle cannot be inserted into your BMW's filler pipe, please ensure that you are refueling at a diesel fuel pump and that it is equipped with a diesel filler nozzle. ◀

Winter diesel

To ensure that the diesel engine remains operational in the winter, please use winter diesel, which is available at gas stations during winter months. The fuel filter heating system, included as a standard feature, prevents disruption of the fuel supply while driving.



Do not add additives, including gasoline; otherwise, engine damage may occur. ◀

BMW Advanced Diesel

The concept

BMW Advanced Diesel reduces nitrogen oxide in the diesel emissions of your vehicle by means of a mechanism that injects diesel exhaust fluid, a reduction agent, into the exhaust tract. A chemical reaction occurs in the catalytic converter that minimizes the nitrogen oxide content.

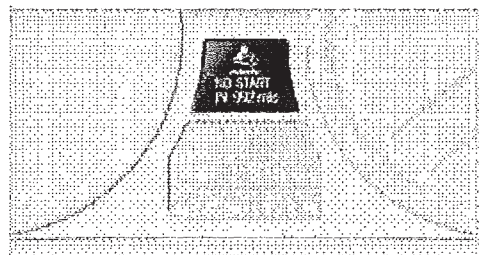
To be able to start the engine as usual, a sufficient amount of diesel exhaust fluid must be present in a separate reservoir.

Warming the system

To warm the system to its operating temperature after starting with a cold engine, the automatic transmission delays shifting to the next higher gear, if necessary.

Reserve display

A display in the instrument cluster informs you about the remaining distance you can drive with the fluid remaining in the reservoir.

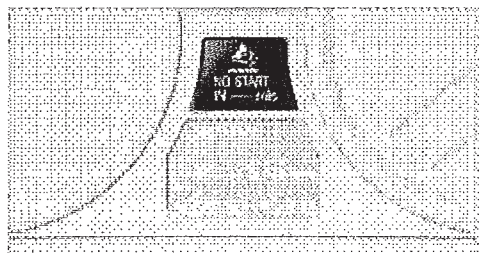


The reserve display appears beginning at approx. 1,000 miles/1,600 km before the supply is used up.



When this reserve display appears in the instrument cluster, have diesel exhaust fluid refilled to avoid not being able to start the engine. ◀

Diesel exhaust fluid at the minimum level



Even if the display indicates ... miles, the engine continues running if it is not switched off and if all other requirements continue to be met, e.g. a sufficient supply of fuel.



Do not drive to the end of the indicated distance. Otherwise, it will not be possible to start the engine again after switching it off. ◀

Wrong fluid



A warning lamp lights up:

The wrong fluid was filled into the reservoir.

Please contact your BMW center.

Having diesel exhaust fluid refilled

Diesel exhaust fluid is refilled by your BMW center during regular service. If the service intervals are adhered to, it generally does not need to be refilled between service appointments.

Under certain conditions, e.g. especially frequent accelerations or operation of the vehicle at high altitudes, it may become necessary to refill the fluid between service appointments.

When this reserve display appears in the instrument cluster, have diesel exhaust fluid refilled to avoid not being able to start the engine.

You can have the fluid refilled by a BMW center.

Diesel exhaust fluid at low temperatures

Because of its physical properties, it may be necessary to refill diesel exhaust fluid between regular service appointments at temperatures below +23 °F / -5 °C.

The need to add fluid is indicated by the reserve display in the instrument cluster; refer to page 192.4.

Refilling diesel exhaust fluid in exceptional cases

To be able to reach the next BMW center, you can refill diesel exhaust fluid yourself while adhering to the following warnings:

⚠ Do not come into contact with diesel exhaust fluid as it can lead to skin or eye irritations. Wear goggles and gloves, if necessary. Follow the safety instructions on the bottle. Vapors with a sharp odor can escape from the bottle or container when it is opened. Before refilling, completely close the windows and doors of the vehicle to prevent the vapors from intruding into the interior. If handling diesel exhaust fluid in an enclosed area, ensure that the room is well ventilated.

After handling diesel exhaust fluid, wash your hands thoroughly; otherwise, inadvertently touching your eyes, for example, may lead to eye irritations.

If eye irritations occur, rinse the eyes thoroughly with water and consult a physician if necessary.

If diesel exhaust fluid comes into contact with the surface of your vehicle, rinse the affected areas with water to prevent surface damage. Keep diesel exhaust fluid away from children.

Suitable diesel exhaust fluid

➤ Preferred: BMW Diesel Exhaust Fluid. Diesel exhaust fluid can be refilled conveniently with this bottle and its special adapter.

➤ Alternatively: NOx reduction agent AUS 32. You can obtain diesel exhaust fluid from your BMW center.

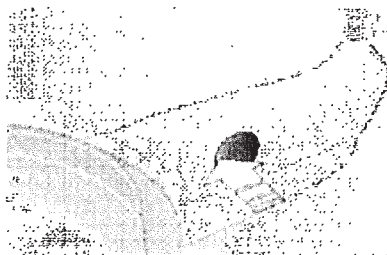
Refilling quantity

Refilling quantity when the reserve display first appears:

Approx. 1 US gallon/3.7 liters.

Opening the diesel exhaust fluid reservoir

1. Remove the cover in the bumper by pressing on it; see arrow.



2. Place the handle of the screwdriver from the onboard tool kit, page 222, onto the bottom cap and open the cap; arrow.



Mobility

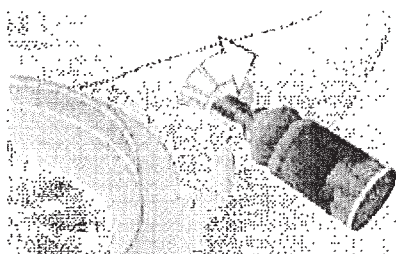
Refilling

Refilling BMW Diesel Exhaust Fluid

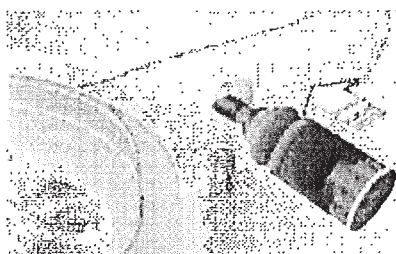
1. Attach the bottle and screw it all the way on, see arrow. The line on the bottle should point upward.



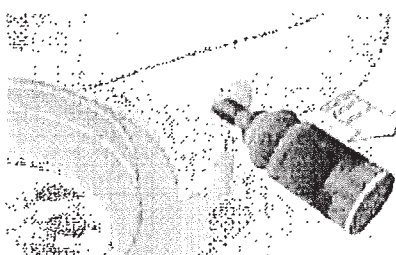
Hold the attached bottle to prevent the thread on the vehicle from becoming damaged by the weight of the bottle. ◀



2. Press the bottle toward the vehicle, see arrow. The reservoir in the vehicle is filled.



3. The reservoir is full when the filling level in the bottle stops changing. It is not possible to overfill the reservoir. Pull back the bottle, see arrow, and unscrew it.



Closing the reservoir

After refilling, close the reservoir again using the handle of the screwdriver.

After refilling diesel exhaust fluid

Wrong fluid



If you add the wrong fluid, e.g. antifreeze for washer fluid, do not start the engine; otherwise, there is a danger of fire. ◀

Contact your BMW center.

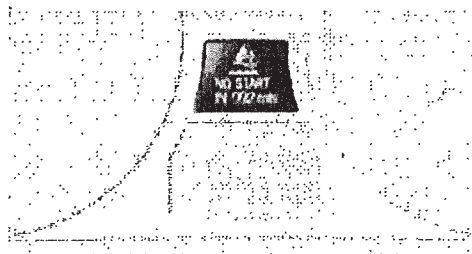
Disposing of the bottle



You can dispose of the bottles for diesel exhaust fluid at your BMW center.

Only dispose of empty bottles in household refuse if local regulations allow. ◀

Reserve display



After refilling, the reserve display continues to be displayed after the engine is started. It goes out after the vehicle has been driven for several minutes.